

Unit ID **Turbocompressor**
 Component **Lubricating oil**
 Current sample number **1700772**

+49 8034-9047-210

OELCHECK GmbH · Kerschelweg 28 · 83098 Brannenburg

Machine type: **Turbocompressor**
 Manufacturer: **Conpacksys-Loher**
 Oil brand name: **OMV turb TD 32**
 Oil quantity in system: **2000 l**

Example report
 Analysis scope: Analysis-Kit 3

Diagnosis for the current laboratory values

Wear metals are only present in negligible concentrations. Hardly any abrasive or corrosive wear is therefore visible. We cannot detect significant oil oxidation. If no oil change has happened yet, it is possible to continue using the oil under similar operating conditions and under continuation of the usual maintenance schedule. I recommend that you send the next sample at the next service interval or at your regular inspection for trend analysis.

Dipl.-Ing. Stefan Mitterer

Sample Rating



normal

| ANALYSIS RESULTS | | | Current sample | Previous samples | | |
|-----------------------------|-------------|-------|----------------|------------------|------------|------------|
| LAB NUMBER | | | 1700772 | 1700773 | 1700774 | 1700775 |
| SAMPLE RATING | | | ✓ | ⓘ | ✓ | ✓ |
| Date tested | | | 20.06.2018 | 12.12.2017 | 07.04.2017 | 09.12.2016 |
| Date of sample taken | | | 15.06.2018 | 08.12.2017 | 01.04.2017 | 06.12.2016 |
| Date of last oil change | | | 17.11.2016 | 17.11.2016 | 17.11.2016 | 17.11.2016 |
| Top-up since change | l | | 600 | 350 | 200 | 0 |
| Operating time since change | h | | 12850 | 9200 | 3500 | 300 |
| Total operating time | h | | 12850 | 9200 | 3500 | 300 |
| Oil changed | | | no | no | no | no |
| WEAR | | | | | | |
| Iron | Fe | mg/kg | 0 | 1 | 0 | 0 |
| Chrome | Cr | mg/kg | 0 | 0 | 0 | 0 |
| Tin | Sn | mg/kg | 0 | 0 | 0 | 0 |
| Aluminum | Al | mg/kg | 0 | 1 | 0 | 0 |
| Nickel | Ni | mg/kg | 0 | 0 | 0 | 0 |
| Copper | Cu | mg/kg | 0 | 0 | 0 | 0 |
| Lead | Pb | mg/kg | 0 | 0 | 0 | 0 |
| Molybdenum | Mo | mg/kg | 0 | 0 | 0 | 0 |
| PQ index | - | | < 25 | < 25 | < 25 | < 25 |
| CONTAMINATION | | | | | | |
| Silicon | Si | mg/kg | 0 | 0 | 0 | 0 |
| Potassium | K | mg/kg | 1 | 0 | 0 | 0 |
| Sodium | Na | mg/kg | 0 | 2 | 0 | 3 |
| Water K. F. | ppm | | < 30 | < 30 | < 30 | 87 |
| OIL CONDITION | | | | | | |
| Viscosity at 40°C | mm²/s | | 31.44 | 31.78 | 31.52 | 30.93 |
| Viscosity at 100°C | mm²/s | | 5.26 | 5.26 | 5.20 | 5.25 |
| Viscosity index | - | | 97 | 94 | 92 | 100 |
| Oxidation | A/cm | | 2 | 2 | 2 | 2 |
| IR index | - | | 99.72 | 99.66 | 99.74 | 99.87 |
| Color | Color index | | 0.5 | 1.0 | 0.5 | 1.0 |
| ADDITIVES | | | | | | |
| Calcium | Ca | mg/kg | 3 | 0 | 1 | 0 |
| Magnesium | Mg | mg/kg | 0 | 0 | 0 | 0 |
| Boron | B | mg/kg | 0 | 0 | 0 | 0 |
| Zinc | Zn | mg/kg | 6 | 1 | 2 | 0 |
| Phosphorus | P | mg/kg | 4 | 5 | 0 | 4 |
| Barium | Ba | mg/kg | 0 | 0 | 0 | 0 |
| Sulphur | S | mg/kg | 888 | 868 | 823 | 799 |
| ADDITIONAL TESTS | | | | | | |
| AN / NN | mgKOH/g | | 0.09 | 0.05 | 0.08 | 0.07 |

